

REMARKS

Claim 1 has been amended, claim 4 has been cancelled, and new claims 10-13 have been added. In response to the Notice of Non-Compliant Amendment mailed July 12, 2006, the limitation “wherein the capacitor is made with material that does not contaminate the process chamber” recited in claim 1 has been underlined. Claims 1-3 and 5-13 are presented for further examination.

Claim 1 has been amended to recite that the process monitor further comprises a ROM for storing a keyword. Support for the changes to claim 1 can be found in claim 4 as originally filed. Support for new claim 10 is found, *inter alia*, at page 4, lines 11-19, and support for new claims 11-13 is found, *inter alia*, at page 3, line 31-page 4, line 10.

The rejection of claims 1-4 and 6-9 under 35 U.S.C. § 102(e) over Roche (US 2004/0007326) is respectfully traversed.

Claim 1 as amended recites, in pertinent part, a process monitor comprising a capacitor and a ROM for storing a keyword. The ROM can be used to store a keyword or password that can identify the process monitor and advantageously prevent unauthorized use thereof (see, e.g., page 4, lines 20-26 and page 7, lines 21-30 of the specification).

As noted at page 3 of the Office Action, Roche discloses a microprocessor 64 that has additional memory 66 (see paragraphs [0037-0039]). However, neither the microprocessor 64 nor the additional memory 66 of Roche disclose a read-only memory (ROM) as required by independent claims 1 and 11.

Initially, the microprocessor 64 of Roche can process, store, and transmit measured data (see abstract and paragraph [0039]). Temporal and spatial data from the sensor modules can be transmitted to the microprocessor 64 via communication lines 103 and interface 106. However, a memory that receives such measured data cannot be read-only. Furthermore, Roche merely discloses

that the electronic architecture includes additional memory 66. There is no teaching or suggestion that the additional memory includes the claimed read-only memory.

Roche is completely silent as to read-only memory. Moreover, Roche is completely silent as to storing a keyword using read-only memory. Because Roche fails to disclose each and every element of the claimed invention, Roche cannot anticipate claims 1-3 and 6-9. Reconsideration and withdrawal of the rejection are respectfully requested.

The rejection of claim 5 under 35 U.S.C. § 103(a) over Roche in view of Moradi (US 6,607,965) is respectfully traversed.

Moradi, which was cited for teaching a capacitor comprising a polysilicon/silicon nitride stack, clearly fails to remedy the deficiencies of Roche with respect to claim 1. Thus, claim 5 is deemed patentable over the cited references for at least the reasons that claim 1 is patentable.

New dependent claim 10 recites that the process monitor further comprising a controller. Claim 10 depends from claim 1 and thus is deemed patentable over the cited references for at least the reasons that claim 1 is patentable.

Finally, new independent claim 11, which recites the limitation of a ROM for storing a keyword, additionally recites that the process monitor comprises a pair of capacitors on the sensor wafer as a power supply. Thus, claim 11, as well as new claims 12 and 13, are deemed patentable over the cited references for at least the reasons that claim 1 is patentable.

In view of the foregoing, the application is respectfully submitted to be in condition for allowance, and prompt favorable action thereon is earnestly solicited.

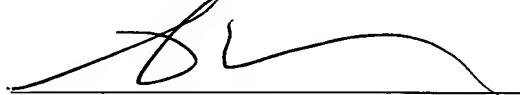
Application No. 10/532,991
Reply to Non-Compliant Amendment
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If there are any questions regarding this amendment or the application in general, a telephone call to the undersigned at (202) 624-2995 would be appreciated since this should expedite the prosecution of the application for all concerned.

If necessary to effect a timely response, this paper should be considered as a petition for an Extension of Time sufficient to effect a timely response, and please charge any deficiency in fees or credit any overpayments to Deposit Account No. 05-1323 (Docket #101249.56268US).

Respectfully submitted,

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